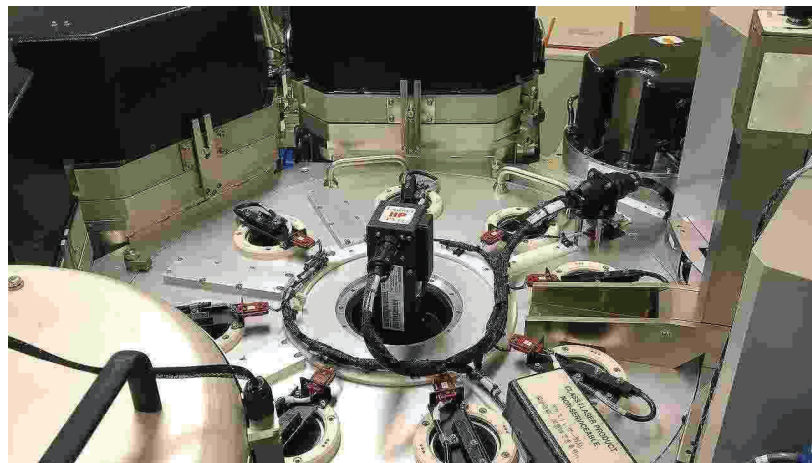
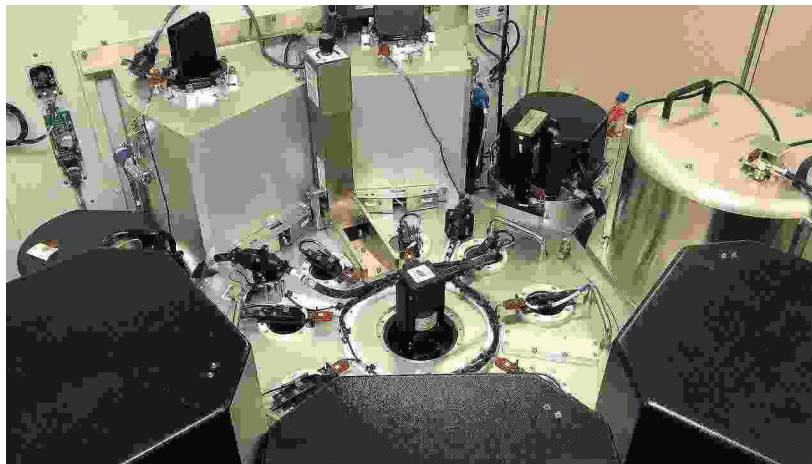


## Applied Materials Centura 5200 PVD System, 6", 8"

Asset ID: 56877



### More Photos on Following Pages

To our knowledge, the information contained in this data sheet is accurate, but it may contain errors and we do not warrant the completeness or accuracy of this data.

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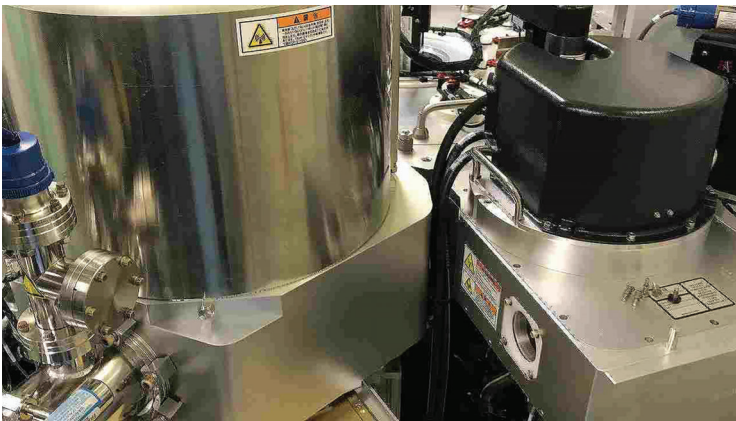
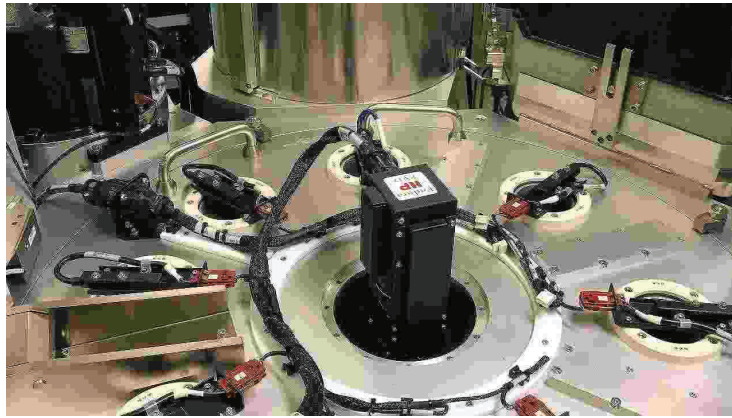
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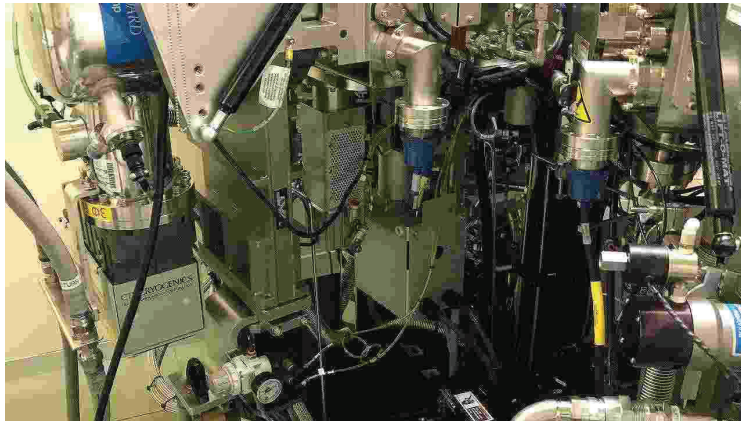
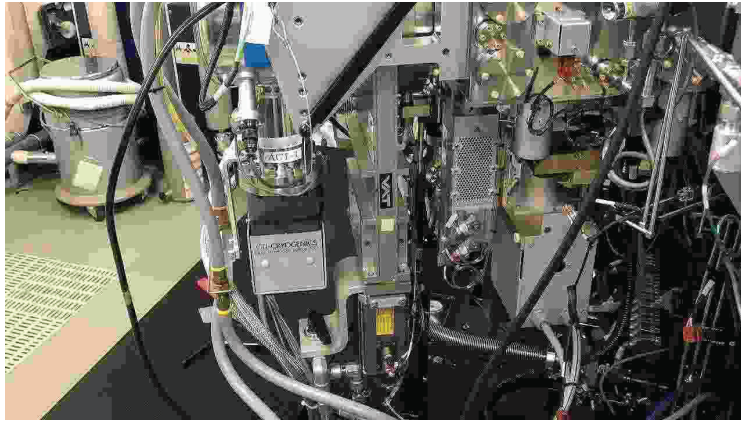


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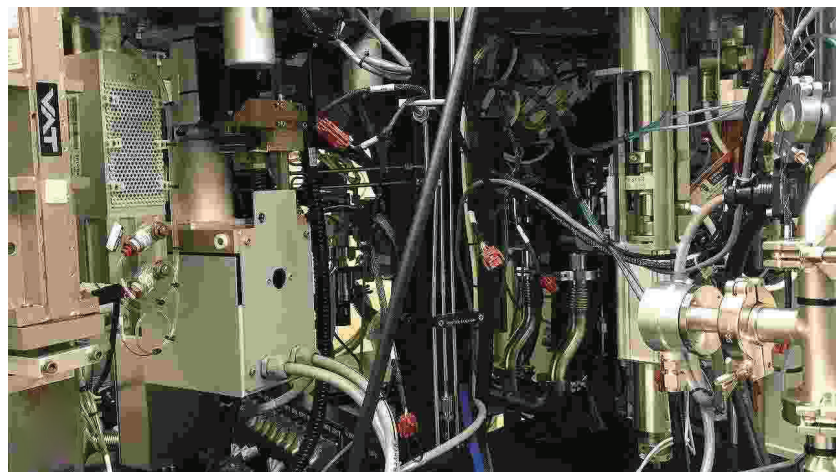
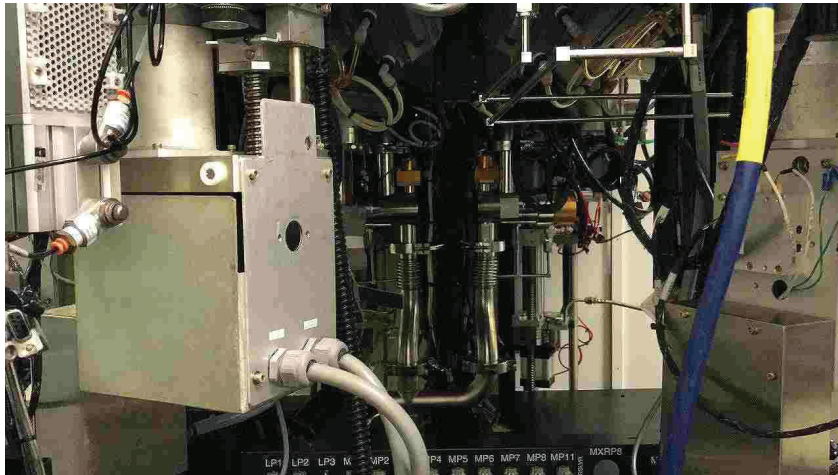
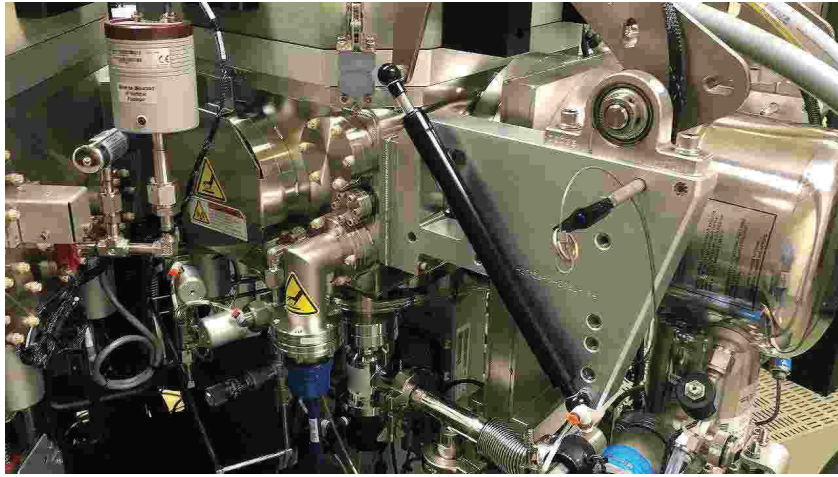
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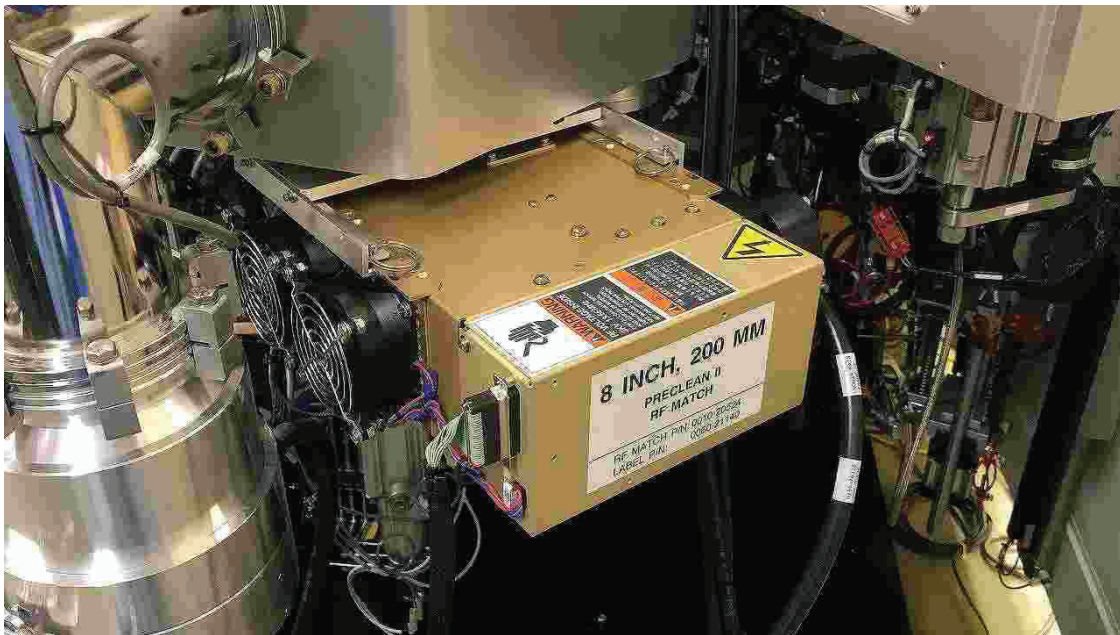
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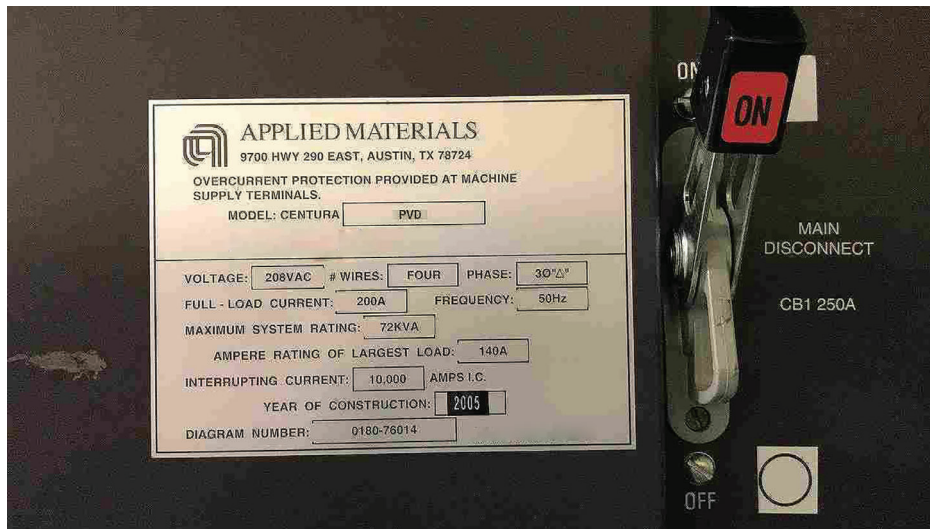
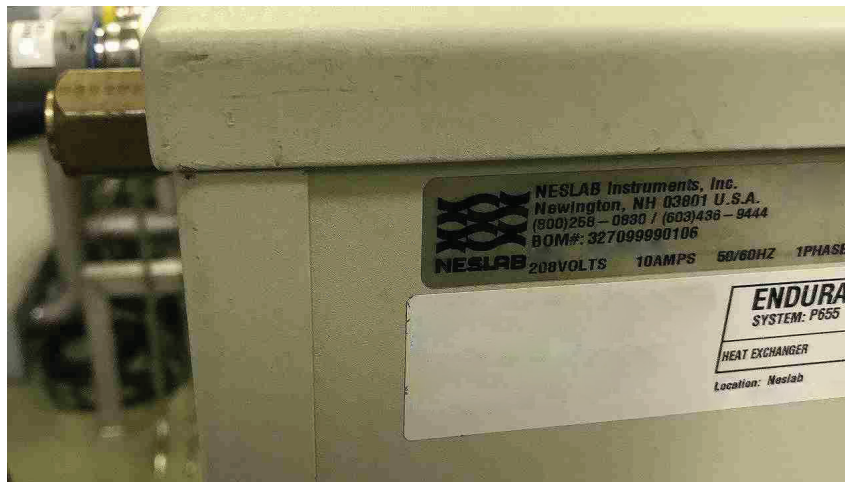
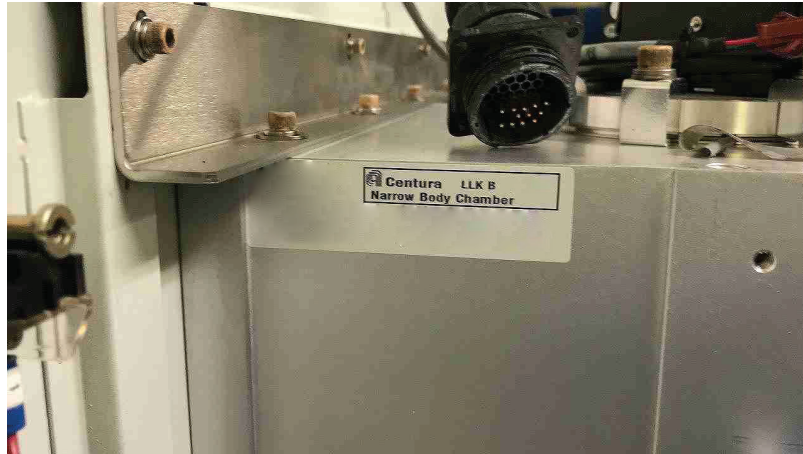


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## System Overview

General Information	Selected Option	Part#	Description	Note #
Customer Type	Production			
Fab Region	Japan			
Technology	PVD			
Platform Type	CENTURA			

Wafer Specification	Selected Option	Part#	Description	Note #
Wafer Size	150~200mm			
Wafer Shape	JMF(6"), JMF(8")			

Chamber Type/Location	Selected Option	Note #		
<b>TRANSFER CHAMBER</b>				
Position A	Ti-W			
Position A Process	DURASOURCE			
Position B	Cu			
Position B Process	DURASOURCE			
Position C	Pre-Clean II			
Position C UHP Pump Type	LEYBOLD TMP			
Position D	Ti			
Position D Process	DURASOURCE			
Position E	Orienter			
Position E Orienter Type	ORIENTER DEGAS			8 inch
Position F	Orienter			
Position F Orienter Type	ORIENTER DEGAS			6 inch

## Customer Fab Options

Electrical Requirements	Selected Option	Part#	Description	Note #
Line Frequency	50 Hz			
Line Voltage	208V			
Line Current	300A			
Facilities Power Indicator	Yes			

System Safety Equipment	Selected Option	Part#	Description	Note #
System EMO Type	Turn To Release			
EMO Button Guard Ring	Yes			
Circuit Breaker on Secondary	400A			
Mainframe Facility Water Flow Interlock	Yes			
AC Boxes Indicator Lamp Buttons	Incandescent			

System UHV	Selected Option	Part#	Description	Note #
System Cryo Pump Type	3Phase Cryo Pump			

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PVD Chamber Configuration

Position	A	B	C	D
<b>APPLICATION INFORMATION</b>				
Application	Ti-W	Cu	Pre-Clean II	Ti
Process Type	AL DURA	AL DURA	Oxide Etch	AL DURA
Wafer Chuck	Clamped	Clamped	UnClamped	Clamped
UHV Pump Options	3-PH Cryo Pump	3-PH Cryo Pump	Turbo Pump	3-PH Cryo Pump
<b>CHBR BODY &amp; PWR SUPPLY</b>				
Chamber Body	STD	STD	STD	STD
Power Supply (kw)	MDX-L12M	MDX-L12M	CPS 1001S/LF10A	MDX-10K
<b>PVD WAFER CHUCK</b>				
Wafer Heater	HTHU	HTHU	STANDARD	HTHU
Pedestal Material	SST	SST	Quartz	SST
CLAMP Ring Material	SST	SST	-	SST
<b>SHIELD OPTIONS</b>				
Shield Material	SST	SST	SST	SST
Shield Type	1 Piece	1 Piece	1 Piece	1 Piece
<b>PRESSURE CONTROL</b>				
Cryo Gate Valve	2PGV	2PGV	None	2PGV
<b>PVD CHAMBER PROCESS SUPPORT</b>				
Source Type	12.9"	12.9"	Resonator	12.9"

Position E Cooldown

Cooldown Chamber Options	Selected Option	Part#	Description	Note #
Position	E			
Cooldown Chamber Type	8" Orienter / Degas			

Position F Orienter

Orienter Chamber Options	Selected Option	Part#	Description	Note #
Position	F			
Orienter Type	6" Orienter / Degas			

Loadlock/Cassette	Selected Option	Part#	Description	Note #
<b>LOADLOCK</b>				
Loadlock Type	Narrow body			
Indexer and Handler Type	Manual W/Rotate			
Loadlock Vent Type	Variable Speed Soft Vent			

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Buffer/Transfer Chamber	Selected Option	Part#	Description	Note #
<b>BUFFER AND TRANSFER ROBOTS</b>				
Transfer Robot Type	HP			
Transfer Robot Blade	Ceramic			

**Gas Delivery Options**

Position	A	B	C	D
<b>HEATER GAS</b>				
Heater Gas Quantity	-	-	-	-
First Heater Gas	-	-	-	-
First Heater MFC Size	50	50	-	50
First MFC Cal Gas	-	-	-	-

**PROCESS GAS LINES**

Process Gas Quantity	1	1	2	1
First Process Gas	Ar	Ar	Ar	Ar
First Process MFC Size	100	100	300	100
First Process MFC Cal Gas	N2 Cal	N2 Cal	N2 Cal	N2 Cal
2nd Process Gas	-	-	Ar	-
2nd Process MFC Size	-	-	20	-
2nd Process MFC Cal Gas	-	-	N2 Cal	-

MFC model : STEC 4400MC

Status Light Tower	Selected Option	Part#	Description	Note #
Top Light Color	Red			
Upper Middle Light Color	Yellow			
Lower Middle Light Color	Green			
Bottom Light Color	Blue			
Top Signal	Fault			
Upper Middle Signal	Unload			
Lower Middle Signal	Process			
Bottom Signal	Load			

Compressors/Heat Exchanger	Selected Option	Part#	Description	Note #
<b>COMPRESSOR</b>				
Cryo Compressor Type	Water Cooled 9600			
Cryo Compressor Quantity	2			

HEAT EXCHANGER	Selected Option	Part#	Description	Note #
Heat Exchanger Type	NESLAB II			

System Monitors	Selected Option	Part#	Description	Note #
Monitor Quantity	2ea			

System Rough Pump Options	Selected Option	Part#	Description	Note #
<b>SYSTEM</b>				
Pump Supplier	EBARA			
Pump Type	EBARA A30W	2ea		

Warranty/Service	Selected Option	Part#	Description	Note #
Warranty Service	3 Months On-Call Service			
	3 Months Parts Warranty on all non-consumable parts			

**Additional Options**

System Manuals	Selected Option	Part#	Description	Note #
Standard Centura CD Manual Set	1		Japanese	
Cleanroom Centura Manual Set	1			

Additional Items/Spares	Selected Option	Part#	Description	Note #
<b>OTHER SPARES OPTIONS</b>				
6" Process Kit	Install Kit	1 set / ch		
8" Process Kit	Install Kit	1 set / ch		

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